INTERNATIONAL SEARCH REPORT

PCT/JP2004/011804

			01/01/2001/011001
A. CLASSIF IPC 7	FICATION OF SUBJECT MATTER B60L11/18		
According to	International Patent Classification (IPC) or to both national classificat	lon and IPC	
	SEARCHED		
Minimum do IPC 7	cumentation searched (classification system followed by classification $B60L$	n symbols)	
Documentat	ion searched other than minimum documentation to the extent that su	ch documents are includ	ed in the fields searched
Electronic da	ata base consulted during the International search (name of data base	e and, where practical, s	earch terms used)
EPO-In	ternal		
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with Indication, where appropriate, of the rele	vant passages	Relevant to claim No.
Α	US 6 158 537 A (NONOBE YASUHIRO) 12 December 2000 (2000-12-12) abstract figures column 12, line 64 - column 13, l	ine 21	1-8
Α	WO 02/095853 A (ICHIKAWA HIROYUKI KAWASUMI EMI (JP); NISSAN MOTOR (IWASAKI YASU) 28 November 2002 (2002-11-28) abstract	:	1-8
A	US 6 577 026 B1 (JANSEN AXEL ET 10 June 2003 (2003-06-10) the whole document	AL)	1,8
Furt	her documents are listed in the continuation of box C.	X Patent family m	embers are listed in annex.
"A" docume consider the consideration of the column of the	document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot be considered to understand the principle or theory underlying the invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone which is cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means document published after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot be considered novel or cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. ** document published after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot be considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combined with one or more other such documents, such combined with one or more other such documents, such combined with one or more other such documents, such combined with one or more other such documents, such combined with one or more other such documents, such combined with one or more other such documents, such combined with one or more other such documents.		not in conflict with the application but the principle or theory underlying the ar relevance; the claimed invention ed novel or cannot be considered to step when the document is taken alone ar relevance; the claimed invention ed to involve an inventive step when the led with one or more other such doculation being obvious to a person skilled of the same patent family
Date of the actual completion of the international search 22 November 2004 Date of mailing of the international search 30/11/2004			·
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	
NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016		Hurtado-Albir, J	

INTERNATIONAL SEARCH REPORT

Information on patent ramily members

PCT/JP2004/011804

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 6158537	Α	12-12-2000	JP DE	10040931 A 19731250 A1	13-02-1998 29-01-1998
WO 02095853	A	28-11-2002	JP CN EP WO US	2002352836 A 1457524 T 1391000 A1 02095853 A1 2003148154 A1	06-12-2002 19-11-2003 25-02-2004 28-11-2002 07-08-2003
US 6577026	B1	10-06-2003	DE WO EP JP	19810468 A1 9946845 A1 1062716 A1 2002507049 T	16-09-1999 16-09-1999 27-12-2000 05-03-2002